

Comparisons of Job Characteristics

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation: Foundry Mold and Coremakers (51-4071)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

Associated Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	11.8	10.9	0 Current knowledge level may be sufficient
Mechanical	6.8	11.0	12.6	> Current knowledge level is likely sufficient
Engineering and Technology	5.7	9.2	5.6	<< Extensive education and/or training may be required
Chemistry	4.8	6.9	3.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Troubleshooting	4.5	4.7	7.6	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Manual Dexterity	6.5	12.2	8.8	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	11.9	7.9	<<	Extensive improvement in abilities may be required
Static Strength	5.0	11.5	5.6	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.4	8.4	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	10.5	7.5	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	10.2	6.8	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	9.5	8.1	<	Some improvement in abilities may be required
Rate Control	3.8	8.3	8.3	0	Current ability level may be sufficient
Dynamic Strength	3.5	7.4	4.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Forging Machine Setters, Operators, and Tenders, Metal and Plastic (51-4022)
Associated Occupation: Foundry Mold and Coremakers (51-4071)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Move or fit heavy objects	8
Operate ore refining/foundry equipment/machinery	84
Read technical drawings	7
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

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Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.